IAP13 Rec'd PCT/PTO 0 6 FEB 2007

AP13 REC Q PUNP U
PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007, OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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| | ER TO THE UNITED STATES | ATTORNEY'S DOCKET NUMBER TS1455US | | | | | | |
|---|--|---|--|--|--|--|--|--|
| DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) | | | | | | |
| | | 10/580,643 | | | | | | |
| PCT/EP2004/053148 | INTERNATIONAL FILING DATE 29 November 2004 (29.11.04) | PRIORITY DATE CLAIMED 28 November 2003 (28.11.2003) | | | | | | |
| TITLE OF INVENTION SPRAY RING AND REACTOR VESSEL PROVIDED WITH SUCH A SPRAY RING AND A METHOD OF WETTING CHAR AND/OR SLAG IN A WATER BATH | | | | | | | | |
| APPLICANT(S) FOR DO/EO/US SCHILDER, Johannes, Gerardus, Maria | | | | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | | | | |
| This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | |
| 2. This is a SECOND or SUBSE | This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | |
| This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | | | | | | |
| 4. The US has been elected (Ar | The US has been elected (Article 31). | | | | | | | |
| 5. A copy of the International A | A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | | | | | | | |
| a. is attached hereto (required only if not communicated by the International Bureau). | | | | | | | | |
| b. has been commu | b. has been communicated by the International Bureau. | | | | | | | |
| c. is not required, as | c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | | | | |
| 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | | | | | | | | |
| a. is attached hereto | 0. | | | | | | | |
| b. has been previou | b. has been previously submitted under 35 U.S.C. 154(d)(4). | | | | | | | |
| 7. Amendments to the claims | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) | | | | | | | |
| a. are attached hereto (required only if not communicated by the International Bureau). | | | | | | | | |
| b. have been comm | b. have been communicated by the International Bureau. | | | | | | | |
| c. have not been m | c. have not been made; however, the time limit for making such amendments has NOT expired. | | | | | | | |
| d. have not been m | d. have not been made and will not be made. | | | | | | | |
| 8. An English language transl | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | | | | |
| 9. An oath or declaration of the | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | | | | | |
| 10. An English language transle Article 36 (35 U.S.C. 371(c) | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | | | |
| Items 11 to 20 below concern do | Items 11 to 20 below concern document(s) or Information included: | | | | | | | |
| 11. An Information Disclosure S | An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | | | | | |
| 12. An assignment document for | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | | | |
| 13. A preliminary amendment. | A preliminary amendment. | | | | | | | |
| 14. An Application Data Sheet | An Application Data Sheet under 37 CFR 1.76. | | | | | | | |
| 15. A substitute specification. | A substitute specification. | | | | | | | |
| 16. A power of attorney and/or | A power of attorney and/or change of address letter. | | | | | | | |
| 17. A computer-readable form of | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. | | | | | | | |
| 18. A second copy of the publis | A second copy of the published International Application under 35 U.S.C. 154(d)(4). | | | | | | | |
| | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | | | | | |
| 20. Other items or information: | Other items or information: postcard and copy of notification of missing requirements | | | | | | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. 80x 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. PCT/EP2004/053148 | | ATTORNEY'S DOCKET NUMBER TS1455US | | |
|--|--|---|--|---|--------------------------|-------------------|
| The following fees have been submitted | | CALCULATIONS PTO USE ONLY | | | | |
| _ | | | | \$300 | \$ | FIGUSEONE |
| 21. Basic national fee \$300 22. Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). \$100 All other situations \$200 | | | | | \$ | |
| International Se International Search R | 445(a)(2)) ha earching Aut eport prepare | hority ed and provided to | international application to | \$100 \$400 | \$ | |
| TOTAL OF 21, 22 and 23 = | | | \$ | | | |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | | |
| Total Sheets Ext | ra Sheets | | additional 50 or fraction to a whole number) | RATE | · | |
| - 100 = | /50 = | | | x \$250 | \$ | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). | | | | | \$ 130.0 | 0 |
| CLAIMS | NUMB | ER FILED | NUMBER EXTRA | RATE | \$ | - |
| Total claims | | - 20 = | | x \$ 50 | \$ | |
| Independent claims | | - 3 = | | × \$200 | \$ | |
| MULTIPLE DEPENDE | NT CLAIM(S | i) (if applicable) | | + \$360 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | | |
| Applicant claims s | mall entity st | atus. See 37 CFR | 1.27. Fees above are reduc | ed by 1/2. | | |
| | | | | SUBTOTAL = | \$ | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | \$ | | |
| TOTAL NATIONAL FEE = | | | | | \$ | |
| Fee for recording the e | | | .21(h)). The assignment mu 0.00 per property | st be accompanied + | \$ | |
| /2007 LLANDGRA 0000 | 0023 19180 | 0 10580643 | TOTAL F | EES ENCLOSED = | \$ | |
| :1617 130.00 | DA | | | | Amount to be refunded: | \$ |
| | | | | | Amount to be charged: | \$ 130.00 |
| a. A check in th | e amount of | \$ | to cover the abo | ove fees is enclosed. | | |
| | | it Account No. <u>19-</u> heet is enclosed. | in the amount of | \$ <u>130.00</u> to co | over the above fees. | |
| | | | narge any additional fees whof this sheet is enclosed. | nich may be required, | or credit any overpayme | ent to Deposit |
| d. Fees are to be be included | e charged to | a credit card. WAI n. Provide credit ca | RNING: Information on this and information and authorization | form may become put ition on PTO-2038. | olic. Credit card inform | ation should not |
| NOTE: Where an app and granted to restor | | | FR 1.495 has not been me n to pending status. | t, a petition to revive | e (37 CFR 1.137(a) or (b |))) must be filed |
| SEND ALL CORRESP | ONDENCE | то: | | 15 | R il L | |
| CUSTOMER NO. 23632 SIGNATURE Eugene R. Montalvo | | | | | ntalvo | |
| EVENERGENT | - | 277010 | _ ¬ | NAME | | |
| EXPRESS MAIL NO: MAILING DATE: | EV671738 February | | | 32,790 | ON NUMBER | |



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Ber 1450 Alexandra, Vriginia 22313-1450 www.uspto.gov

INTERNATIONAL APPLICATION NO.

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/580,643

Johannes Gerardus Maria Schilder

TS1455US

PCT/EP04/53148

I.A. FILING DATE

PRIORITY DATE

11/29/2004

11/28/2003

23632 SHELL OIL COMPANY P O BOX 2463 HOUSTON, TX 772522463

CONFIRMATION NO. 4365 371 FORMALITIES LETTER

OC000000022003438

Date Mailed: 01/17/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/25/2006
- Copy of the International Search Report filed on 05/25/2006
- Copy of IPE Report filed on 05/25/2006
- Preliminary Amendments filed on 05/25/2006
- Information Disclosure Statements filed on 05/25/2006
- U.S. Basic National Fees filed on 05/25/2006
- Priority Documents filed on 05/25/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

\$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

ANITA D JOHNSON

Telephone: (703) 308-9140 EXT 226

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY, DOCKET NO. | |
|-----------------------------|-------------------------------|------------------|--|
| 10/580,643 | PCT/EP04/53148 | TS1455US | |

FORM PCT/DO/EO/905 (371 Formalities Notice)

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